

Claims

1. A fireback for use in domestic open fireplaces and which in use surrounds the fire bed and which extends upwardly to a throat which in use connects with a chimney, the fireback having walls with inner surfaces that slope steadily inwardly to decrease the cross sectional area of the fireback, a larger area being at a height substantially the level of the fire bed and smaller area being adjacent the throat.
- 10 2. A fireback as claimed in Claim 1 wherein the inner surfaces of the fireback walls have at least in some places their surface area increased by having raised surface features thereon.
- 15 3. A fireback as claimed in Claim 2 wherein the inner surface has at least in some area, corrugations or undulations formed thereon.
- 20 4. A fireback as claimed in claim 3 wherein the corrugations or undulations form peaks lying in planes substantially parallel to the base of the fireback.
5. A fireback as claimed in Claims 1 wherein the inner surfaces of the fireback slope inwardly at an angle of 15-25 degrees of arc from the vertical, preferably about 21 degrees.

6. A fireback as claimed in Claim 5 wherein the wall of the fireback is of generally arcuate horizontal cross-section and is frustoconical in shape.
- 5 7. A fireback as claimed in claim 6, wherein the fireback wall is semi-circular in horizontal cross-section with the diameter forms the fireback opening.
8. A fireback as claimed in Claim 5, wherein the walls of the
10 fireback comprises planar walls that all slope inwardly with increasing height from its base portion.
9. A fireback as claimed in Claim 8 wherein the walls form part of a pyramid having a polygonal base.
- 15 10. A fireback as claimed in Claim 9 wherein said part is substantially one half of a six sided pyramid with the fireback opening being on a centre line of the base.
- 20 11. A fireback as claimed in Claim 6, wherein the fireback is formed as a single refractory cement casting.
12. A fireback as claimed in Claim 8 wherein the fireback is formed as a single refractory cement casting.

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13. A fireback as claimed in Claim 6, wherein the base portion of the fireback from its base to a height substantially level with the fire bed may be vertical.
- 5 14. A fireback as claimed in Claim 8, wherein the base portion of the fireback from its base to a height substantially level with the fire bed may be vertical.

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